

## WHAT IS CLAIMED IS:

- 1 1. A remote control system comprising:  
2 a transmitter including enciphering means for enciphering a predetermined  
3 code through the use of a specific key code peculiar to each system, said  
4 transmitter transmitting the enciphered code produced by said enciphering means;  
5 and  
6 a receiver including deciphering means for receiving the enciphered code  
7 to decipher the enciphered code through the use of said specific key code, said  
8 receiver outputting an instruction for activating a controlled object when the  
9 deciphered code from said deciphering means satisfies a predetermined  
10 relationship,  
11 wherein, in a case in which said specific key code to be used in said  
12 deciphering means is transmitted from said transmitter to said receiver and  
13 registered therein, said enciphering means enciphers said specific key code  
14 through the use of a default key code stored in said transmitter and said receiver,  
15 and said transmitter transmits the enciphered specific key code to said receiver.
- 1 2. The system according to claim 1, wherein said transmitter transmits the  
2 enciphered specific key code to said receiver when a predetermined operation is  
3 conducted.
- 1 3. A remote control system comprising:  
2 a portable unit including enciphering means for enciphering a  
3 predetermined code through the use of a specific key code peculiar to each system,  
4 said portable unit transmitting the enciphered code produced by said enciphering  
5 means, and a vehicle-mounted control unit including deciphering means for  
6 transmitting said predetermined code to said portable unit and receiving said  
7 enciphered code returned from said portable unit in response to the transmission  
8 of said predetermined code to decipher the enciphered code through the use of

9     said specific key code, said vehicle-mounted control unit outputting an instruction  
10    for activating a controlled object when the deciphered code produced by said  
11    deciphering means satisfies a predetermined relationship with respect to the  
12    transmitted predetermined code, wherein, in a case in which said specific key  
13    code to be used in said deciphering means is transmitted from said portable unit to  
14    said vehicle-mounted control unit and registered therein, said enciphering means  
15    enciphers said specific key code through the use of a default key code stored in  
16    said portable unit and said vehicle-mounted control unit, and said portable unit  
17    transmits the enciphered specific key code to said vehicle-mounted control unit.

1     4.     The system according to claim 3, wherein said portable unit transmits the  
2     enciphered specific key code to said vehicle-mounted control unit when a  
3     predetermined operation is conducted.

1     5.     A remote control system comprising:  
2            a transmitter including enciphering means having an enciphering table  
3     with a plurality of common key codes to be used for enciphering a predetermined  
4     code,  
5                    said enciphering means changing one of said plurality of common  
6     key codes to a registration key code set in advance to change the contents of said  
7     enciphering table and enciphering said predetermined code through the use of the  
8     changed enciphering table including said registration key code, and  
9                    said transmitter transmitting the enciphered predetermined code  
10    produced by said enciphering means; and  
11            a receiver for outputting an instruction for activating a controlled object,  
12    said receiver including deciphering means for receiving the enciphered  
13    predetermined code to decipher the enciphered predetermined code through the  
14    use of said registration key code stored in advance.

1     6.     The system according to claim 5, wherein, when a predetermined  
2     operation is conducted with respect to said transmitter, said transmitter transmits  
3     the enciphered predetermined code.

1     7.     The system according to claim 5, wherein said receiver makes a decision  
2     as to whether or not the deciphered predetermined code is in a predetermined  
3     range with respect to a code stored in advance and, if the deciphered  
4     predetermined code is in said predetermined range, outputs said instruction for  
5     activating said controlled object.

1     8.     The system according to claim 5, wherein the one of said plurality of  
2     common key codes to be changed to said registration key code by said  
3     enciphering means is a key code specific to the system.

1     9.     A remote control system for a vehicle, comprising:  
2     a portable unit including enciphering means having an enciphering table  
3     with a plurality of common key codes to be used for enciphering a predetermined  
4     code,  
5             said enciphering means changing one of said plurality of common  
6     key codes to a registration key code set in advance to change the contents of said  
7     enciphering table and enciphering said predetermined code through the use of the  
8     changed enciphering table including said registration key code, and  
9             said portable transmitting the enciphered predetermined code  
10    produced by said enciphering means; and  
11            a vehicle-mounted control unit for outputting an instruction for activating  
12    a controlled object, said vehicle-mounted control unit including deciphering  
13    means for transmitting said predetermined code to said portable unit and for  
14    receiving said enciphered predetermined code returned from said portable unit in

15 response to the transmission of said predetermined code to decipher the  
16 enciphered predetermined code through the use of said registration key code.

1 10. The system according to claim 9, wherein, when a predetermined  
2 operation is conducted with respect to said portable unit, said portable unit  
3 transmits the enciphered predetermined code.

1 11. The system according to claim 9, wherein said vehicle-mounted control  
2 unit makes a decision as to whether or not the deciphered predetermined code is in  
3 a predetermined range with respect to said predetermined code transmitted  
4 therefrom and, if the deciphered predetermined code is in said predetermined  
5 range, outputs said instruction for activating said controlled object.

1 12. The system according to claim 9, wherein the one of said plurality of  
2 common key codes to be changed to said registration key code by said  
3 enciphering means is a key code specific to the vehicle.